

Fig. 1

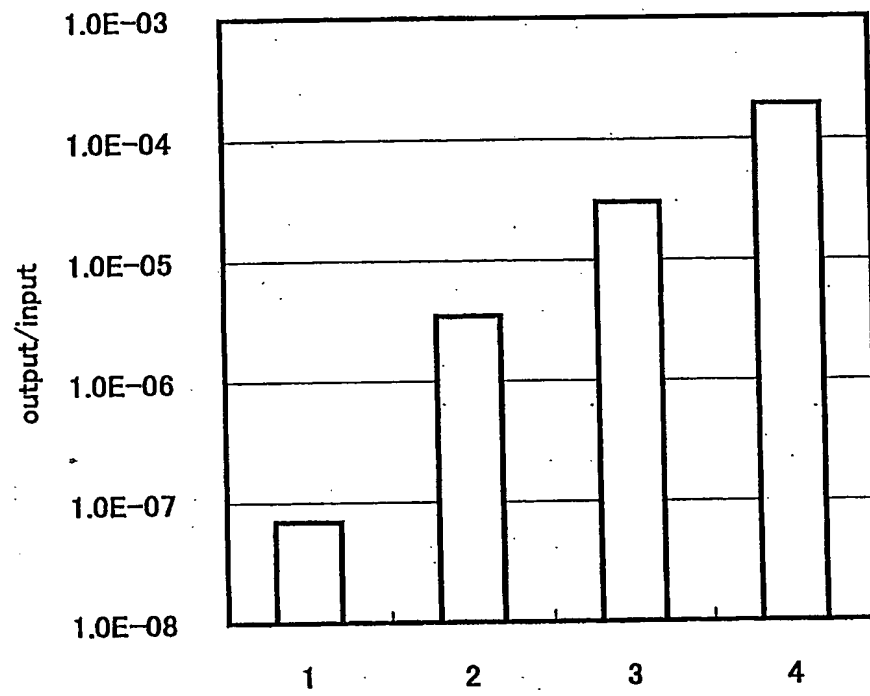


Fig. 2

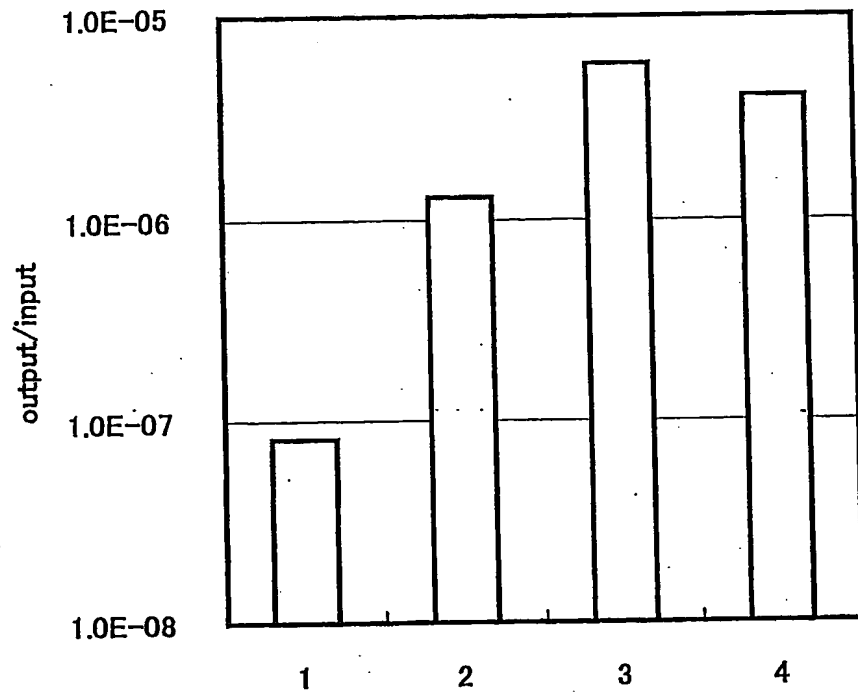


Fig. 3

e3-2-2 LDTTNVSGPMSS  
e3-2-3 RKLPDAPGMHTW  
e3-2-4 RKLPDAPGMHTW  
e3-2-5 SYRLPVYLHALL  
e3-2-6 RKLPDAPGMHTW  
e3-2-7 RKLPDAPGMHTW  
e3-2-8 SDPNQDWRRTTP  
e3-2-9 RKLPDAPGMHTW  
e3-2-10 RKLPDAPGMHTW  
e3-2-12 LPSQLLSQVNL  
e3-2-13 RKLPDAPGMHTW  
e3-2-14 RKLPDAPGMHTW  
e3-2-15 RKLPDAPGMHTW  
e3-2-16 RKLPDAPGMHTW  
e3-2-17 RKLPDAPGMHTW  
e3-2-18 RKLPDAPGMHTW  
e3-2-19 LCNNTTSVHPP  
e3-2-20 RKLPDAPGMHTW  
e3-2-21 MQMEGKPTLTR  
e3-2-22 RKLPDAPGMHTW  
e3-2-23 RKLPDAPGMHTW  
e3-2-25 RKLPDAPGMHTW  
e3-2-29 STLKNPINLLAN  
e3-2-30 RKLPDAPGMHTW  
e3-2-31 RKLPDAPGMHTW  
e3-2-33 RKLPDAPGMHTW  
e3-2-34 RKLPDAPGMHTW  
e3-2-36 RKLPDAPGMHTW  
e3-2-39 RKLPDAPGMHTW  
e3-2-40 RKLPDAPGMHTW  
e3-2-41 RKLPDAPGMHTW  
e3-2-42 RKLPDAPGMHTW  
e3-2-43 SCHVWYDSCSSP  
e3-2-45 RKLPDAPGMHTW  
e3-2-46 RKLPDAPGMHTW  
e3-2-47 RKLPDAPGMHTW  
e3-2-48 RKLPDAPGMHTW  
e3-2-49 RKLPDAPGMHTW  
e3-2-50 STLKNPINLLAN  
e3-2-51 RKLPDAPGMHTW  
e3-2-52 RKLPDAPGMHTW  
e3-2-55 QDMIRTSALMLQ  
e3-2-56 RKLPDAPGMHTW

Fig. 4

e3-4-2 CTSPTSVD  
e3-4-3 CTPSPHQGC  
e3-4-4 CHTAPLPRC  
e3-4-5 CTPSPHQGC  
e3-4-6 CHGATPQNC  
e3-4-7 CSGHNPTH  
e3-4-8 CTSPTSVD  
e3-4-9 CTPSPHQGC  
e3-4-11 CPMWQAQQC  
e3-4-12 CGYYSMSC  
e3-4-13 CDMLTPRSC  
e3-4-15 CTSPTSVD  
e3-4-16 CLRLQSQDC  
e3-4-17 CQITWHHTC  
e3-4-19 CTPSPHQGC  
e3-4-21 CSAHHHDKC  
e3-4-22 CTPSPHQGC  
e3-4-23 CMTKNPLNC  
e3-4-24 CTPSPHQGC  
e3-4-25 CTPSPHQGC  
e3-4-26 CTPSPHQGC  
e3-4-27 CTSPTSVD  
e3-4-28 CMTKNPLNC  
e3-4-29 CKTSLPTTC  
e3-4-30 CVSTYWKTC  
e3-4-31 CTSPTSVD  
e3-4-32 CTSPTSVD

Fig. 5

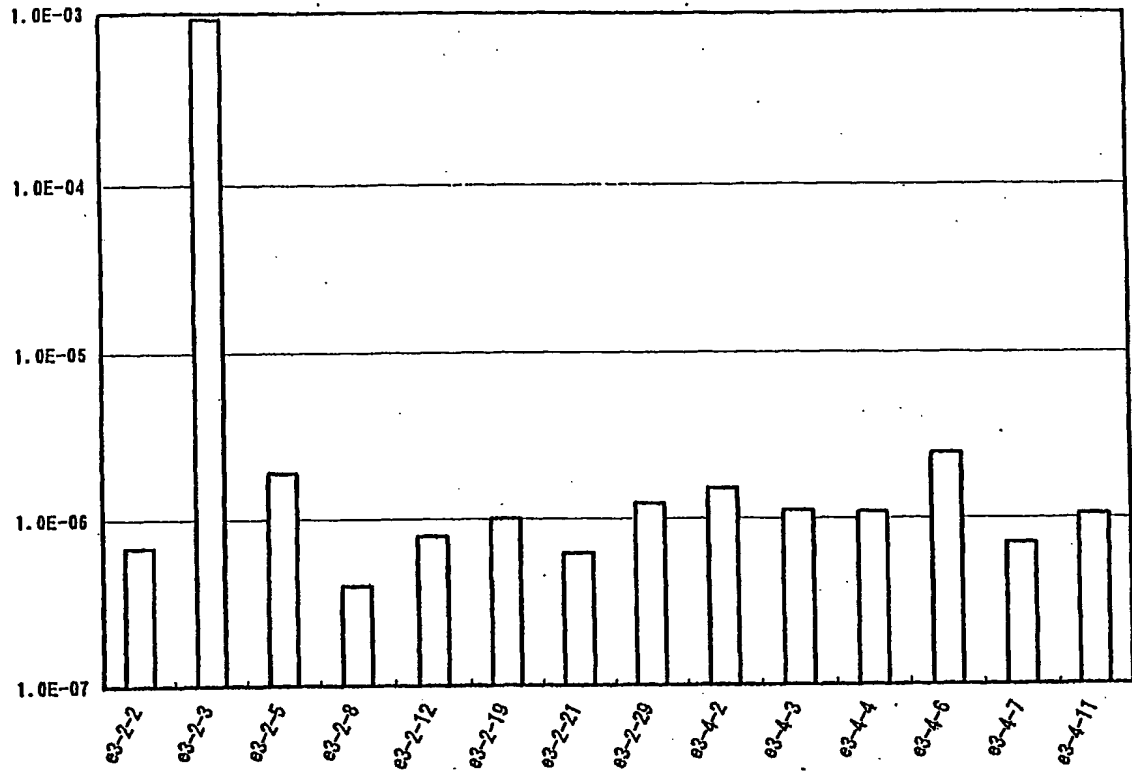
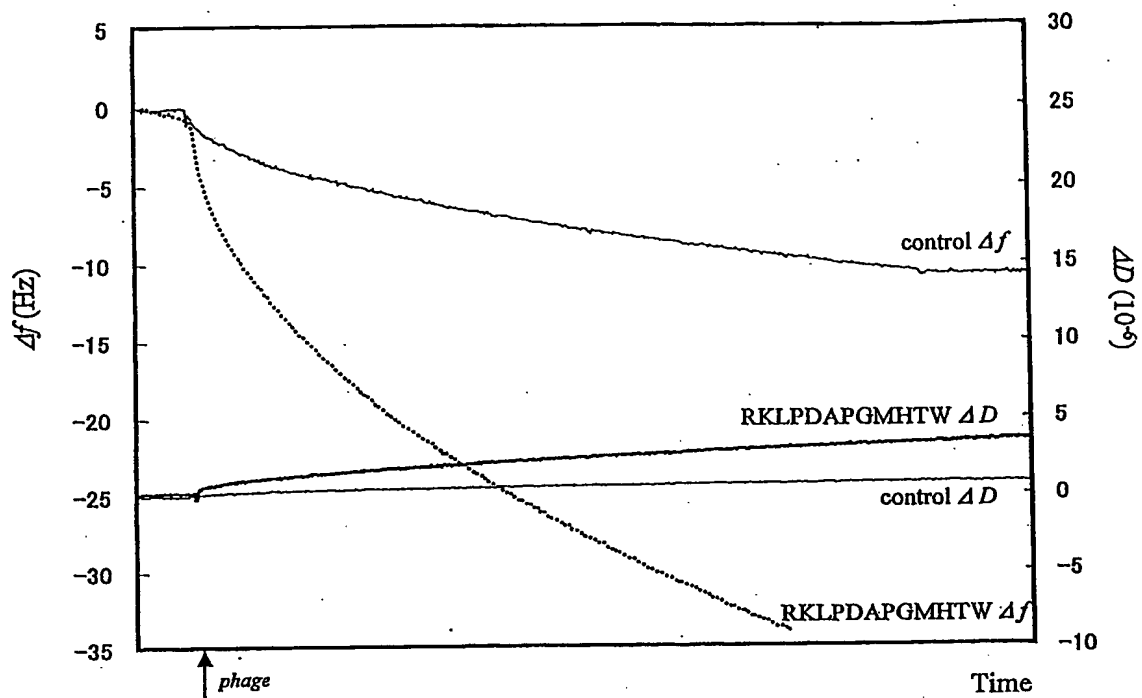


Fig. 6

A: Non-blocking



B: BSA blocking

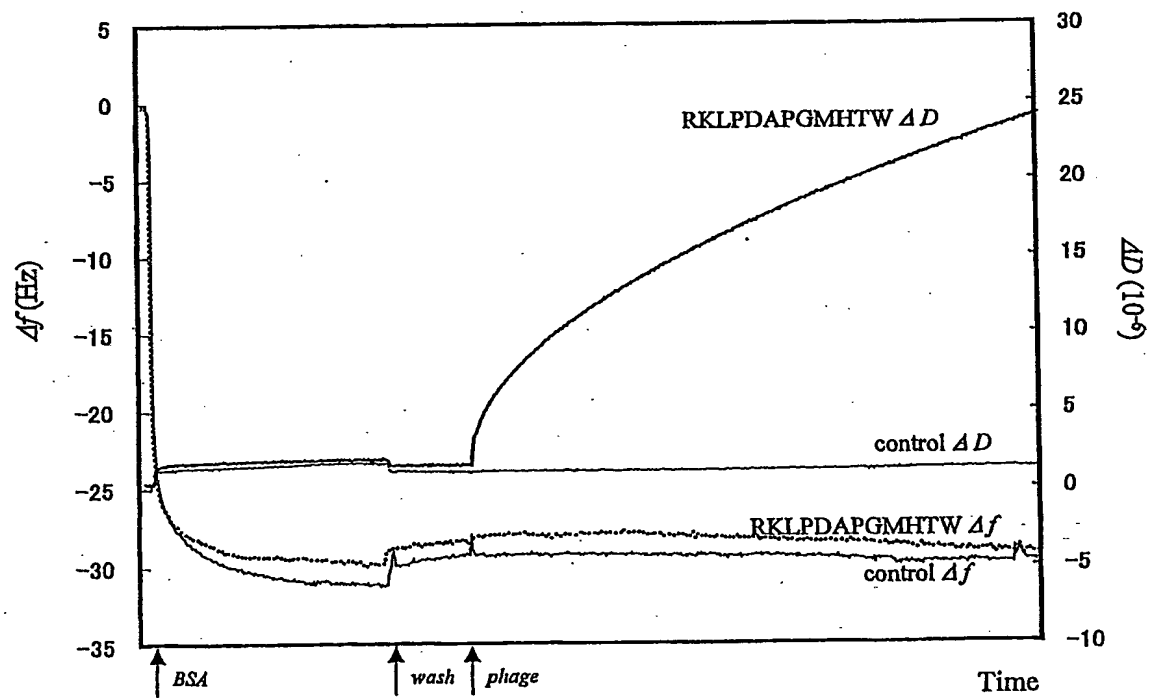


Fig. 7

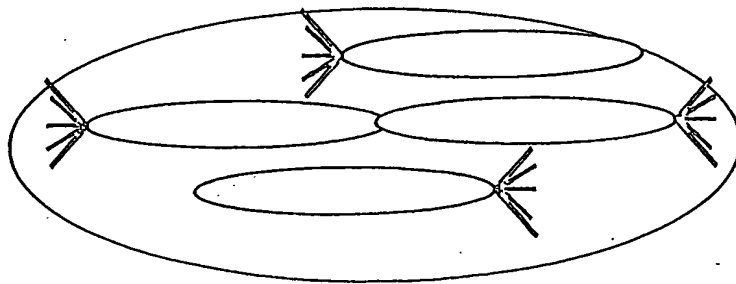
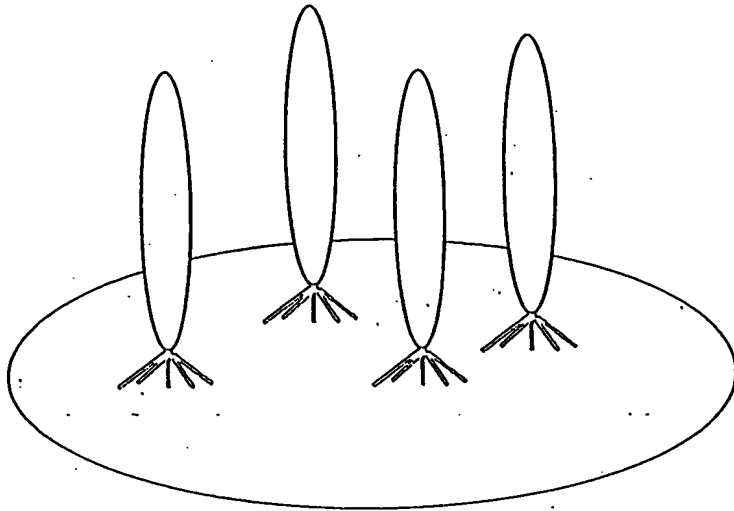


Fig. 8

R1A: AGGCAGCTTCGCAGAGTGAGAATAG

K2A: CATCAGGCAGCGCCCGAGAGTGAG

L3A: GGAGCATCAGGCGCCTTCCGAGAG

P4A: CCGGGAGCATCAGCCAGCTTCCGAG

D5A: ATCCCGGGAGCAGCAGGCAGCTTC

P7A: GTATGCATCCCGGCAGCATCAGGCA

G8A: AGTATGCATCGCGGGAGCATCAGG

M9A: CCCCAGTATGCGCCCCGGGAGCATC

H10A: TCCACCCCAAGTAGCCATCCCGGA

T11A: TCCACCCCAAGCATGCATCCCGG

W12A: AACCTCCACCCGCAGTATGCATC

Δ7-12F; GGAGGATCCGCCGAAACTGTTGAAAGTTG

Δ7-12R; GGGGGATCCTCCACCAGCATCAGGCAGCTTCCGAG

K2AΔ7-12R; GGGGGATCCTCCACCAGCATCAGGCAGCGCCCGAG

Ala insert; AGCATCAGGCAGCTTCCGTGCAGAGTGAGAATAGAAAGG



Fig. 9

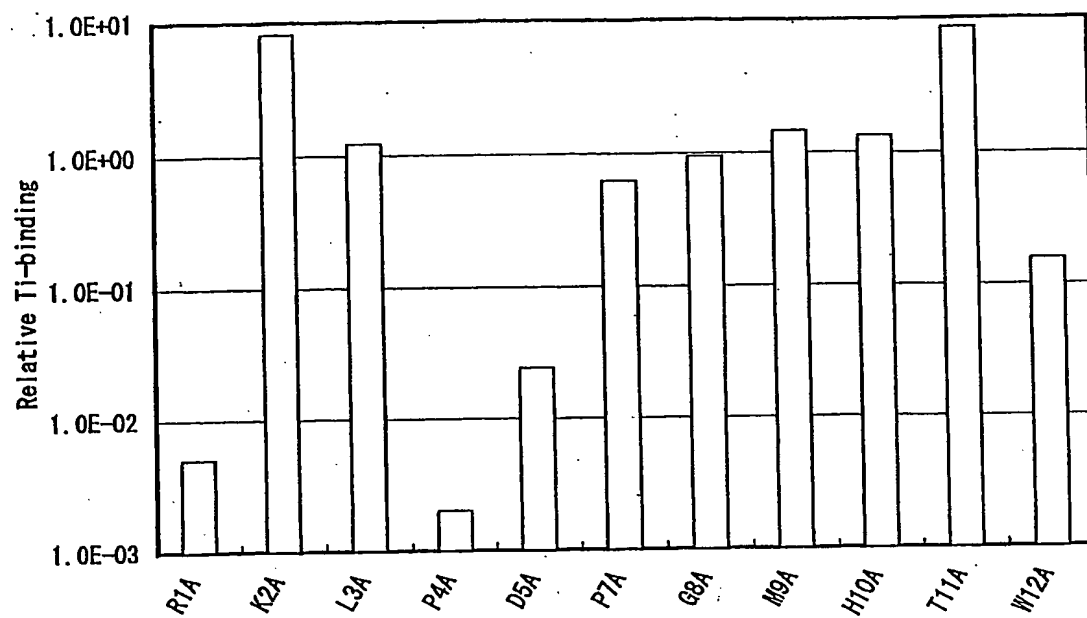


Fig. 10

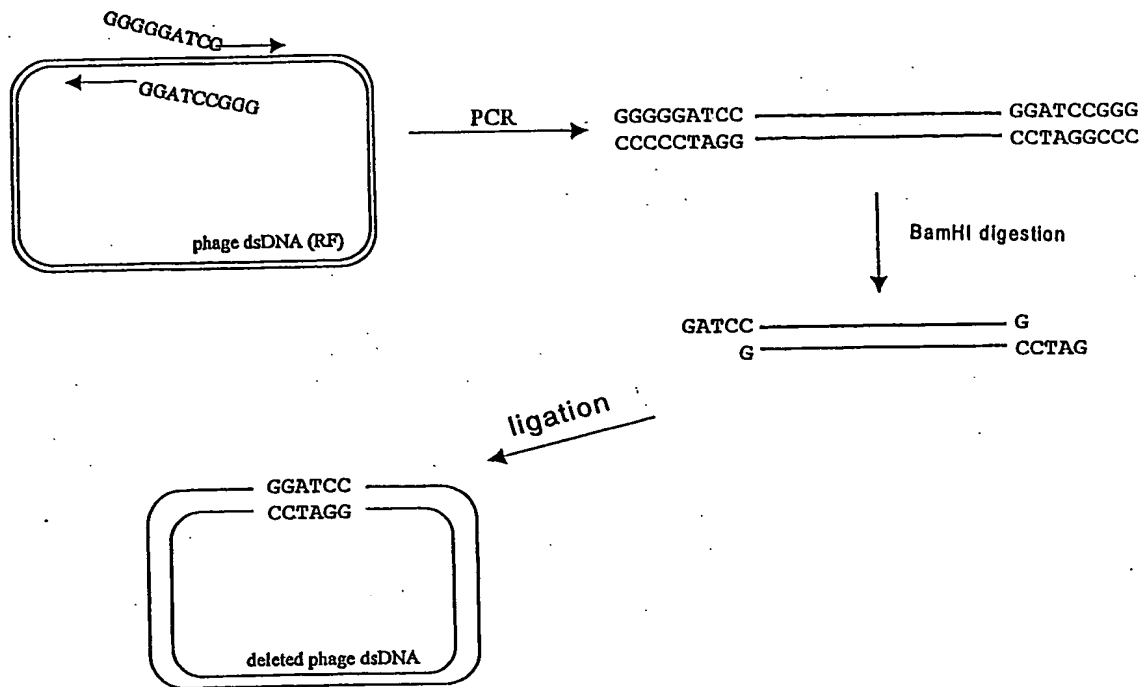


Fig. 11

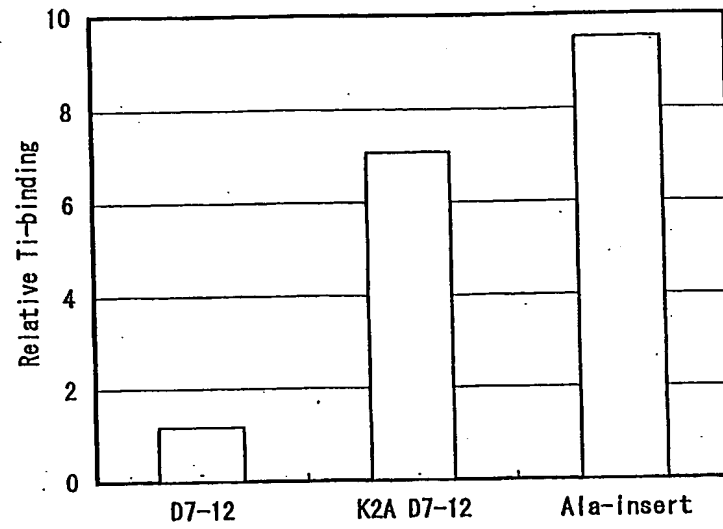


Fig. 12

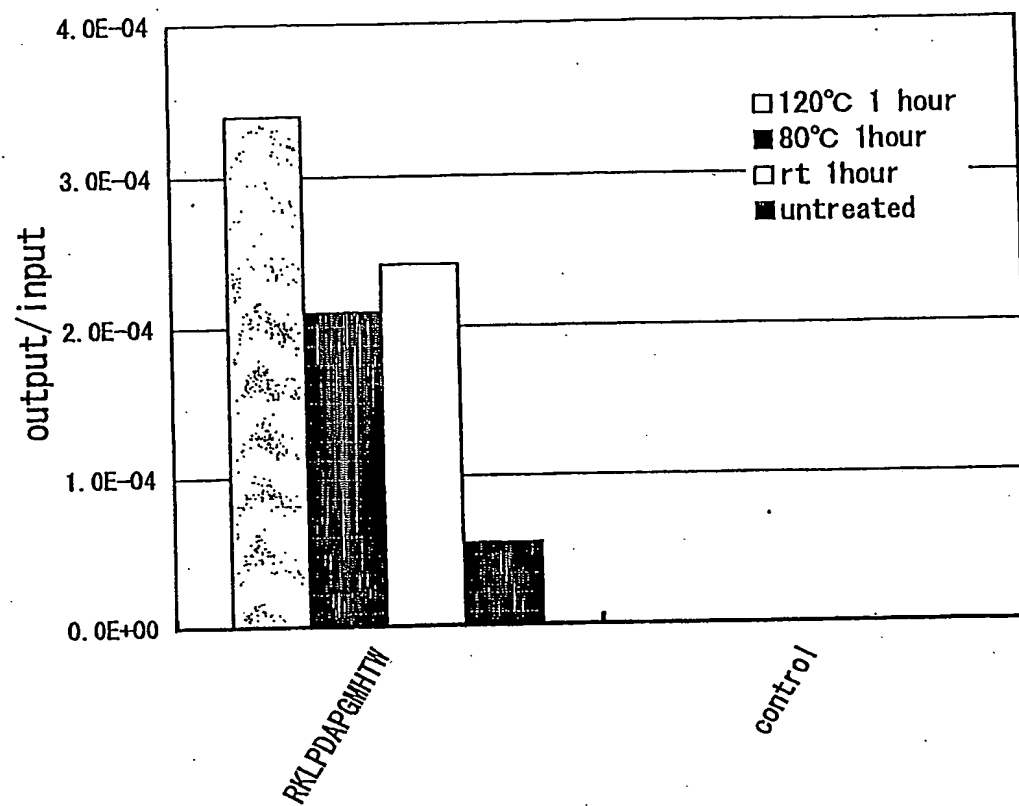


Fig. 13

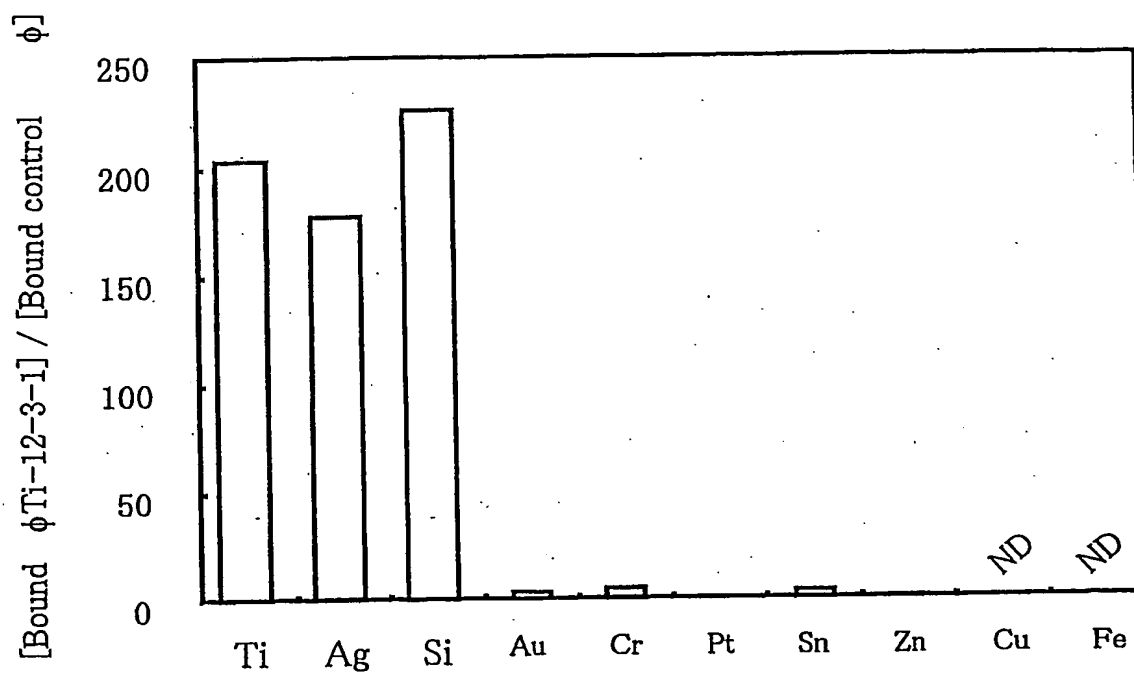


Fig. 14

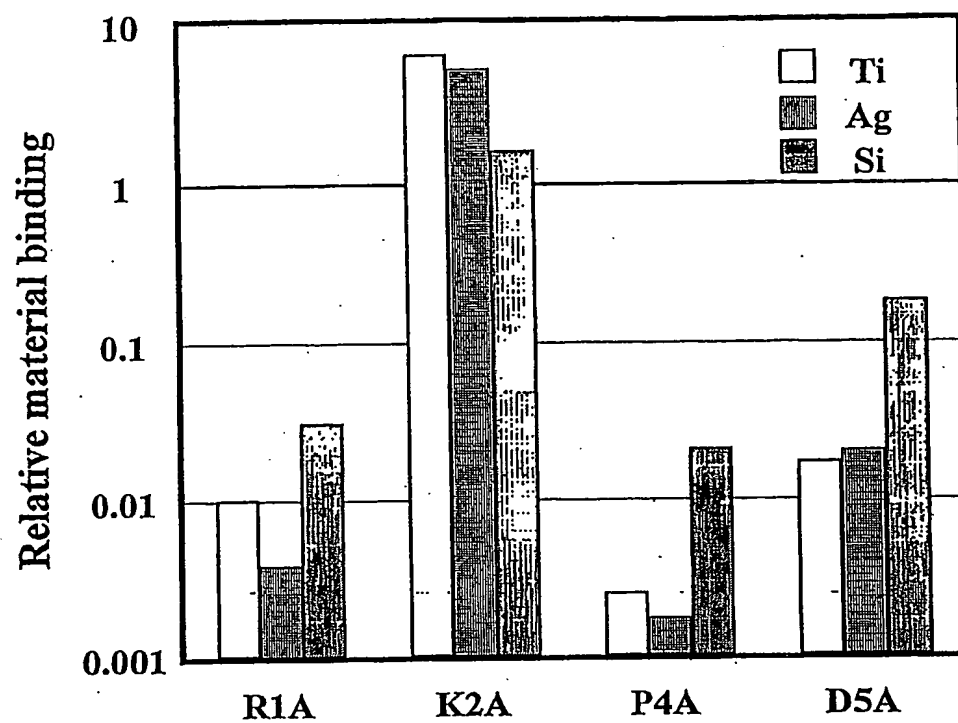


Fig. 15

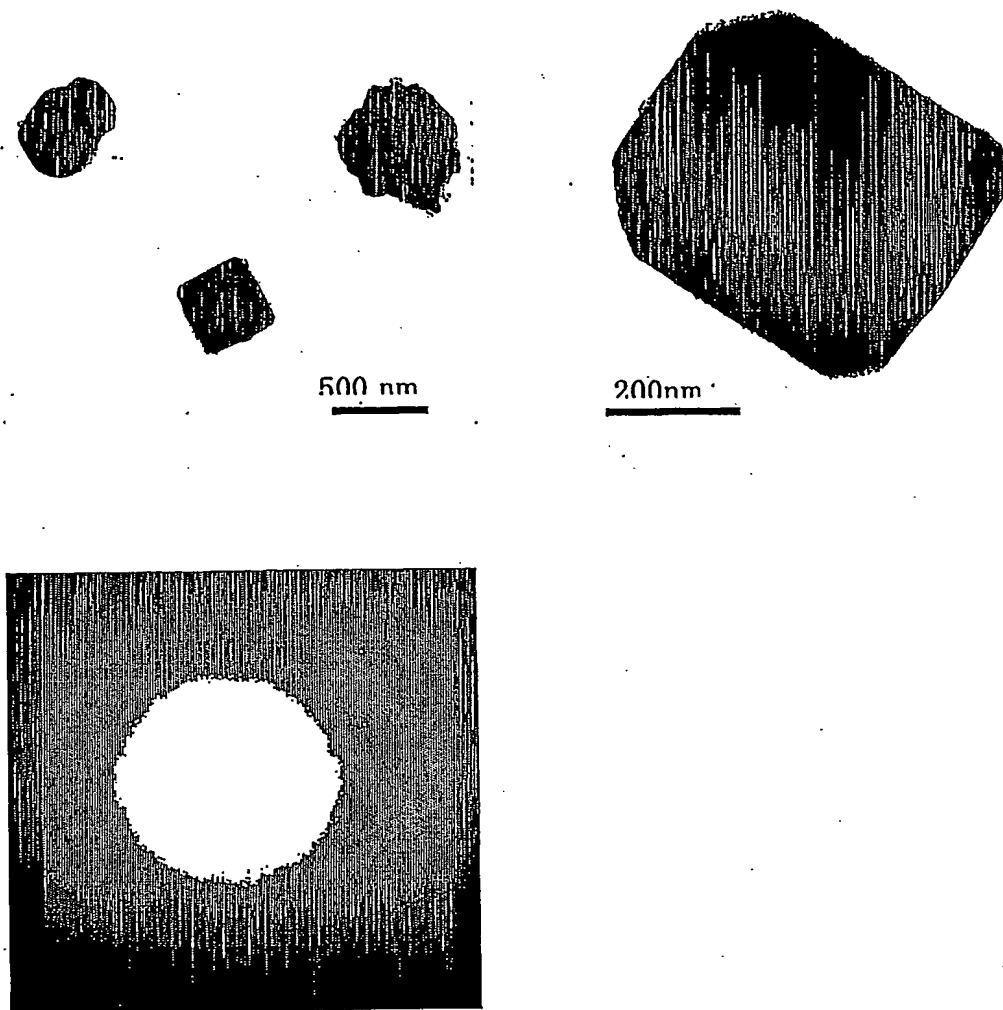


Fig. 16

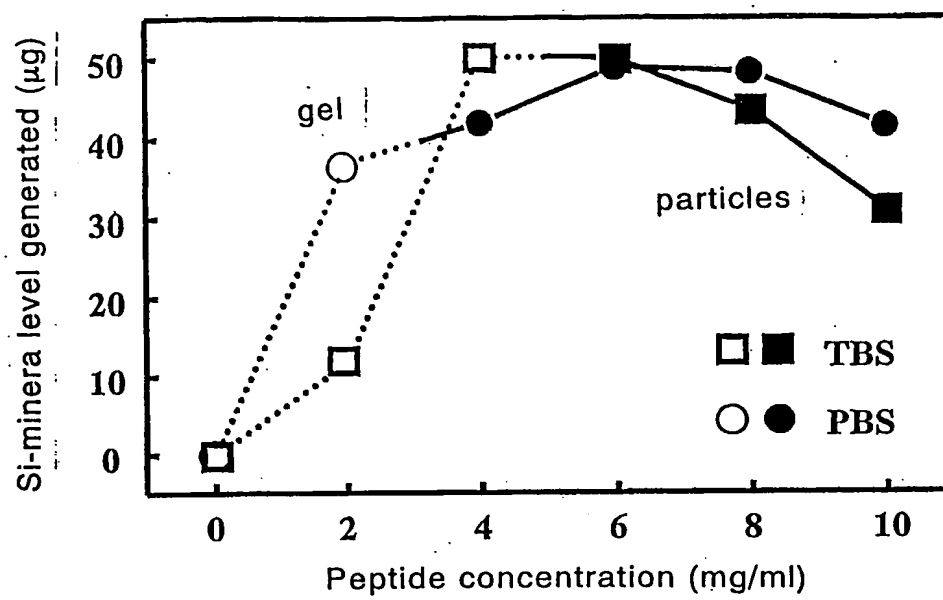




Fig. 17

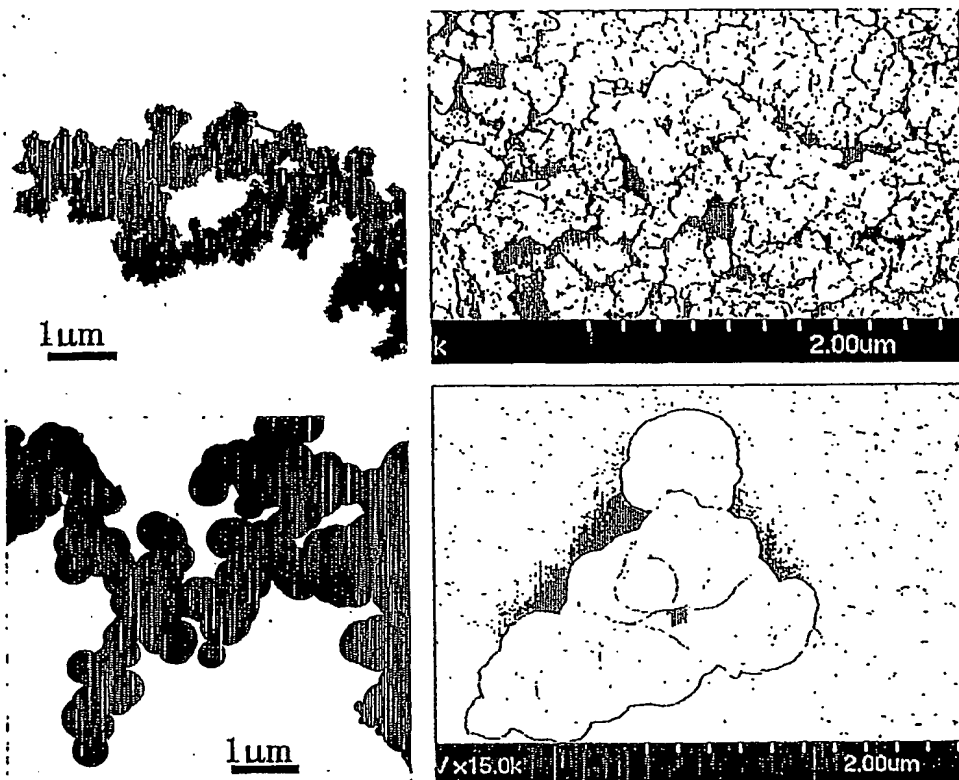


Fig. 18

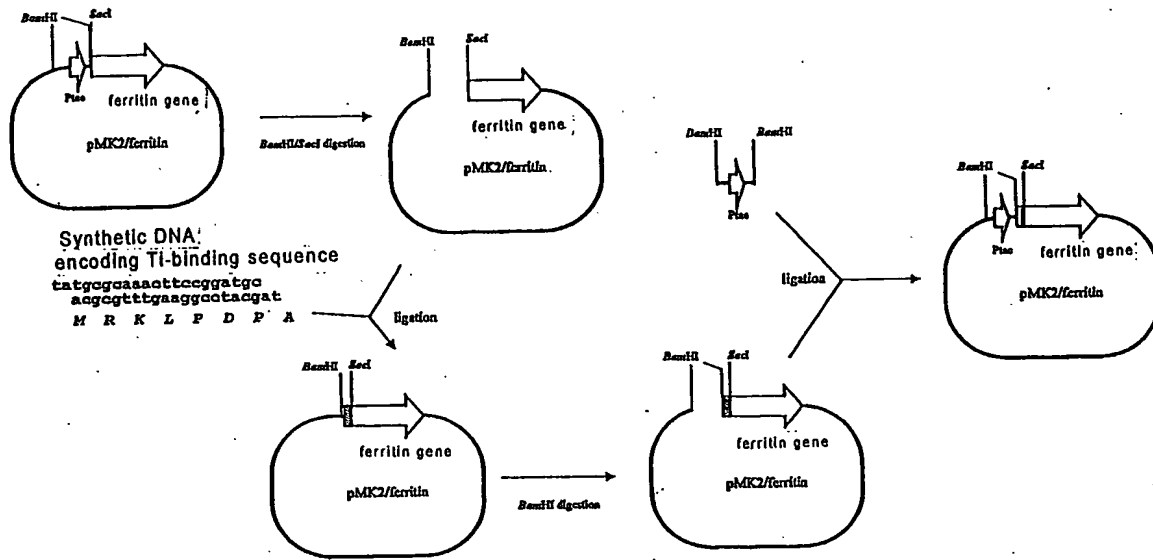


Fig. 19

